

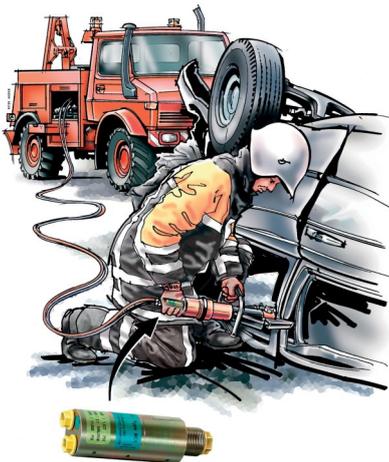
## Rescue application

### Rescue power

With the miniBOOSTER hydraulic pressure intensifier rescue workers no longer need bulky and heavy equipment in order to save lives. Despite the miniBOOSTERs small dimensions, it is able to provide a hydraulic pressure of up to 700 bar turning handheld rescue tools for cutting, lifting and spreading into powerful life savers.

### Up to 700 bar

The hydraulic work pressure from a common rescue vehicle's oil pump is not suitable for rescue tools. Cutters need to cut through several layers of steel plates, in for example car doors, to extricate accident victims. Spreaders must be powerful enough to pry open jammed doors and hatches in buildings and cars. Therefore, the hydraulic pressure must be intensified. And that is exactly what the miniBOOSTER does. The small and handy hydraulic intensifiers make use of a unique patented system of valves and cylinders to boost the hydraulic work pressure of the rescue vehicle from 200 bar up to as much as 700 bar.



*Speed and efficiency is paramount when doing rescue work.*

### A mobile toolbox

A rescue vehicle is a mobile toolbox where a great variety of tools must be kept handy at all times making the rescuers able to cope with any distress situation. The rescue vehicle constructors and outfitters are highly aware of this, and they know that space is a key issue. Which tools and equipment are the most necessary? What can be omitted? How about the weight? The miniBOOSTERs small dimensions and light-weight construction will fit in nicely in every rescue vehicle.

### Quick and safe

When arriving at an accident scene, the rescuer always has one thing in mind: *to get the job done*. And get it done in a quick and safe manner. Apart from attending the work itself, the rescuer must always take care of his or her own safety so

that the rescue work can be carried out as quickly and safely as possible.

With a miniBOOSTER Portable Intensifier System, the rescuer does not need to lay out heavy and unhandy high-pressure hoses all the way from the rescue vehicle's hydraulic pump to the accident area. Thus, the rescuer saves precious time and avoids unnecessary hazards. With its light-weight design of only 10 kg, the Portable Intensifier System can easily be brought to an accident area that may otherwise be difficult to access. In comparison, petrol-driven Power Packs weigh as much as 40-50 kg.

The hydraulic pressure from the rescue vehicle to the intensifier is conveyed through super flexible low-pressure hoses minimizing the risk of hose puncture and potential injury from the extremely high oil pressure. Furthermore, low-pressure hoses are far sturdier than high-pressure hoses, and therefore will not break should they e.g. be run over by a vehicle.

Finally, as the miniBOOSTER is almost noise free, the potential stress factor for the victim as well as the rescuer will be smaller.



*Extending the reach of the rescue tool may also increase the possibilities of survival.*

### Longer reach

The miniBOOSTER can also be integrated as part of the rescue vehicle's hydraulic manlift basket. This will provide the necessary high hydraulic pressure where it's needed, and eliminate the extra weight from a heavy petrol-driven Power Pack. The lower weight increases the reach of the manlift basket providing better access to hard-to-reach places, such as tall buildings.